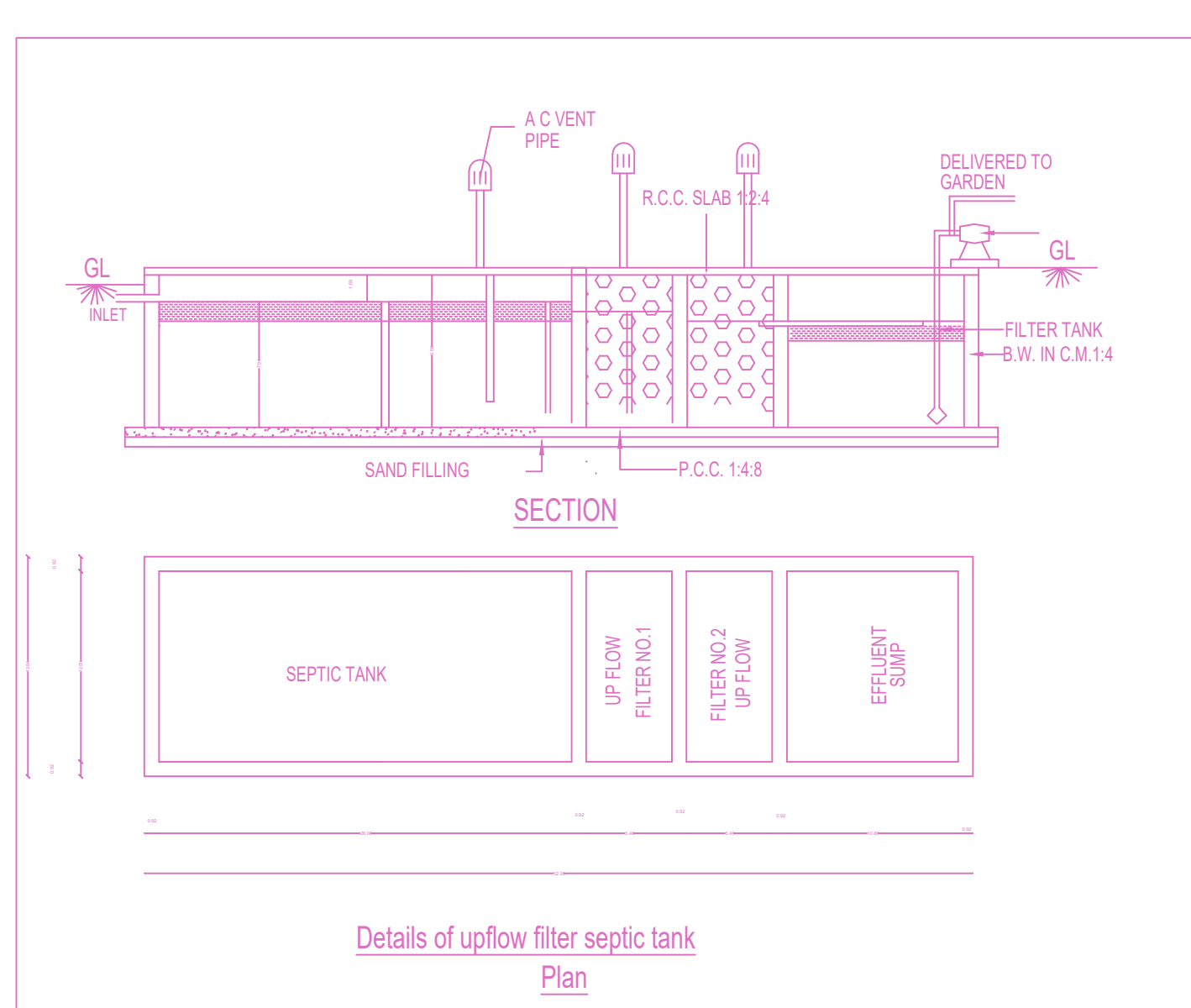
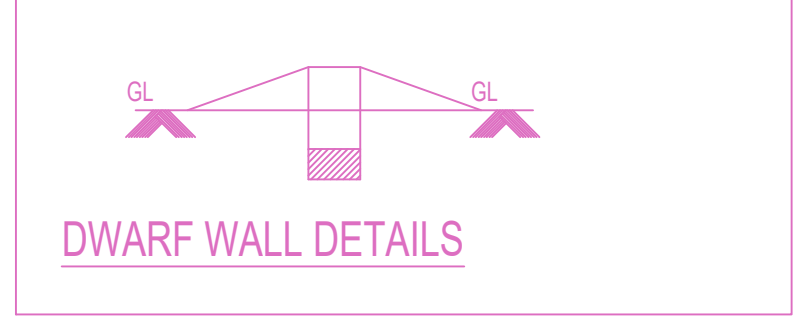
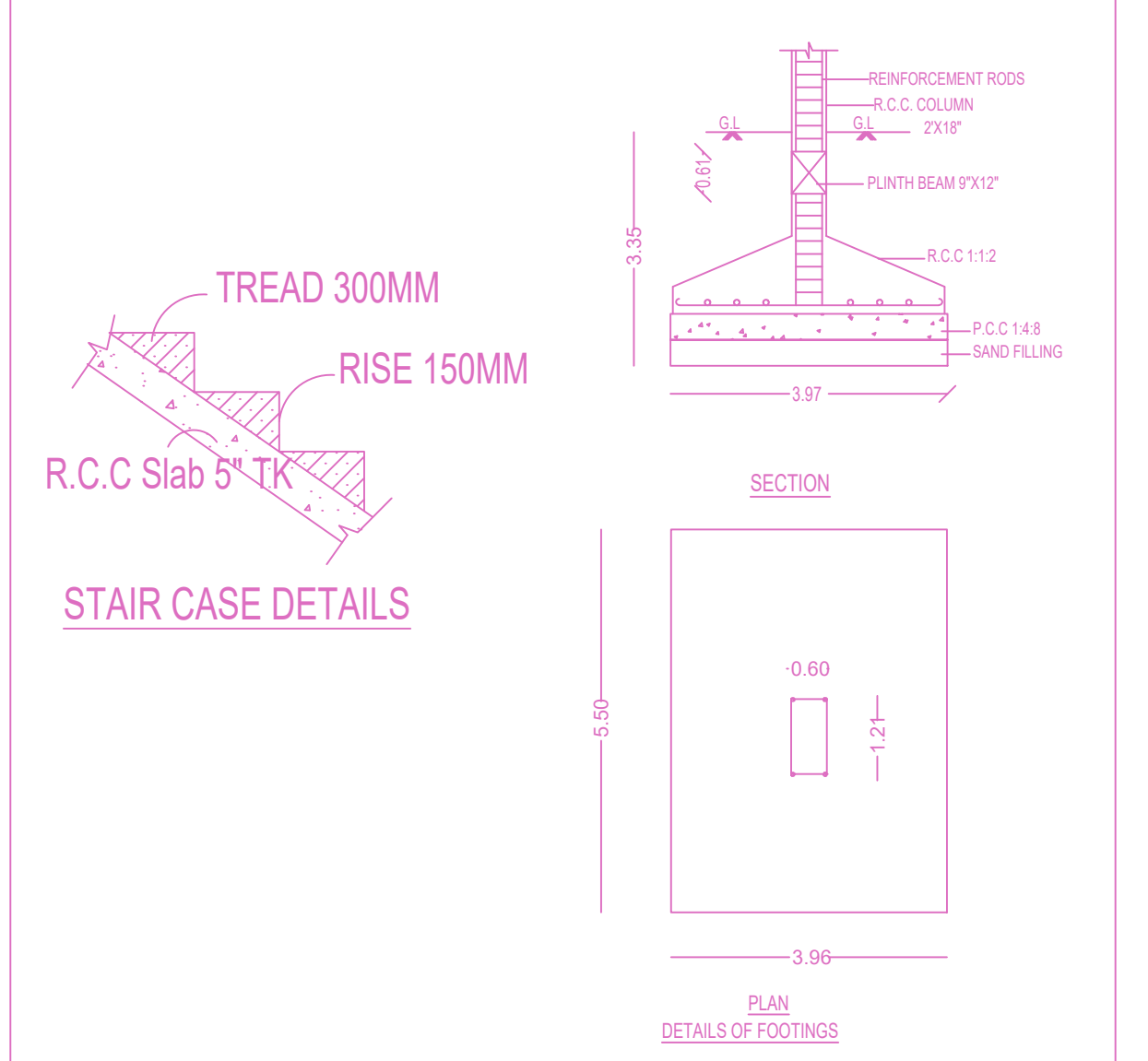
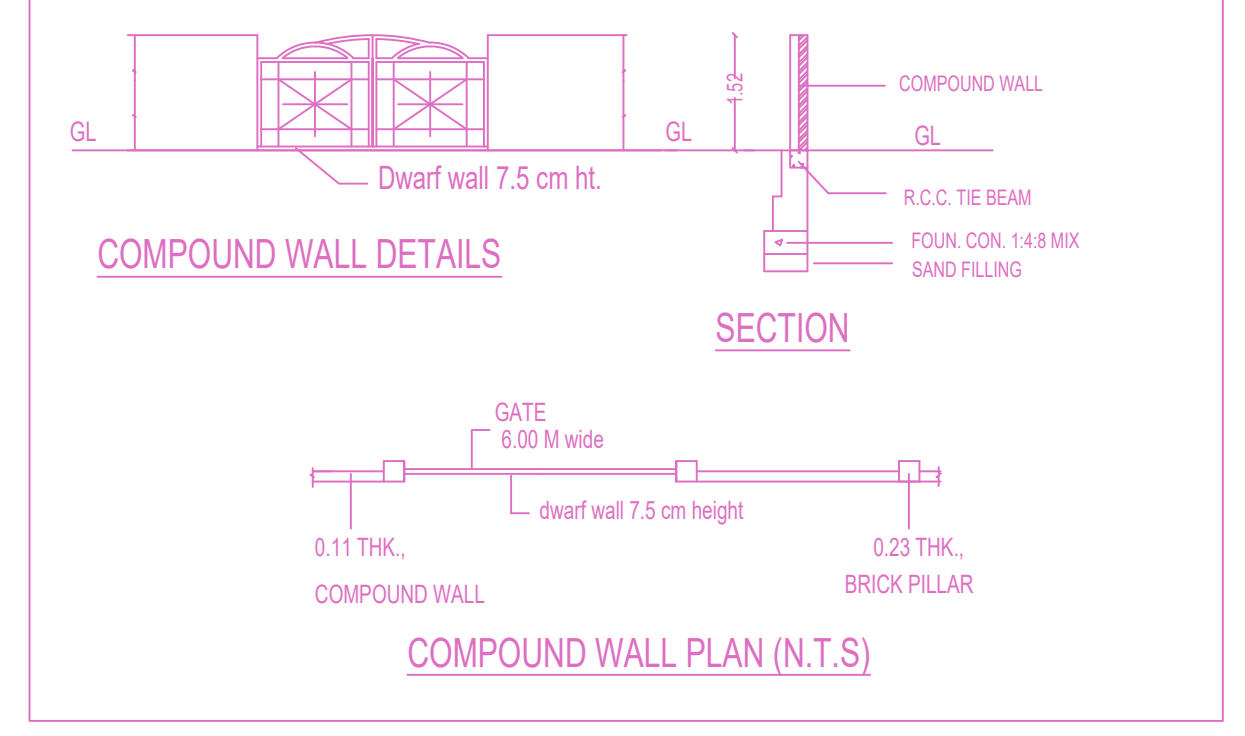
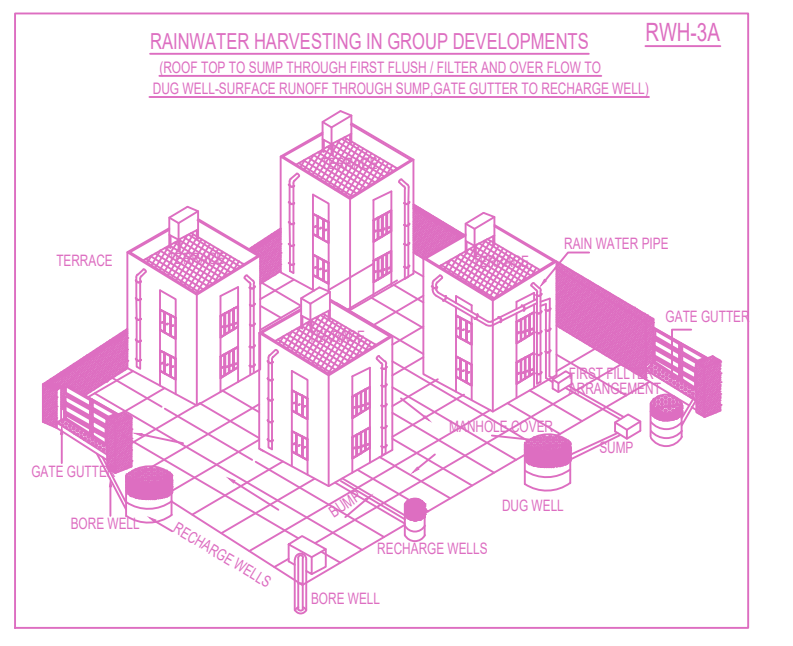
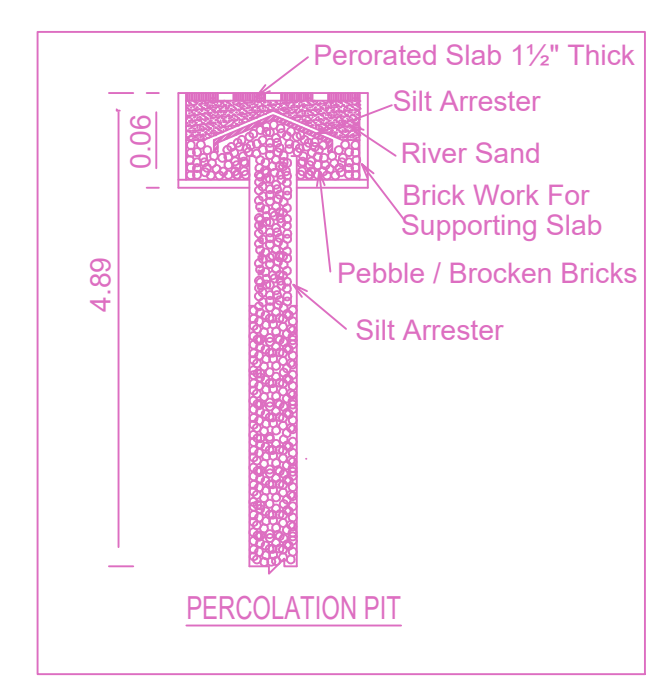
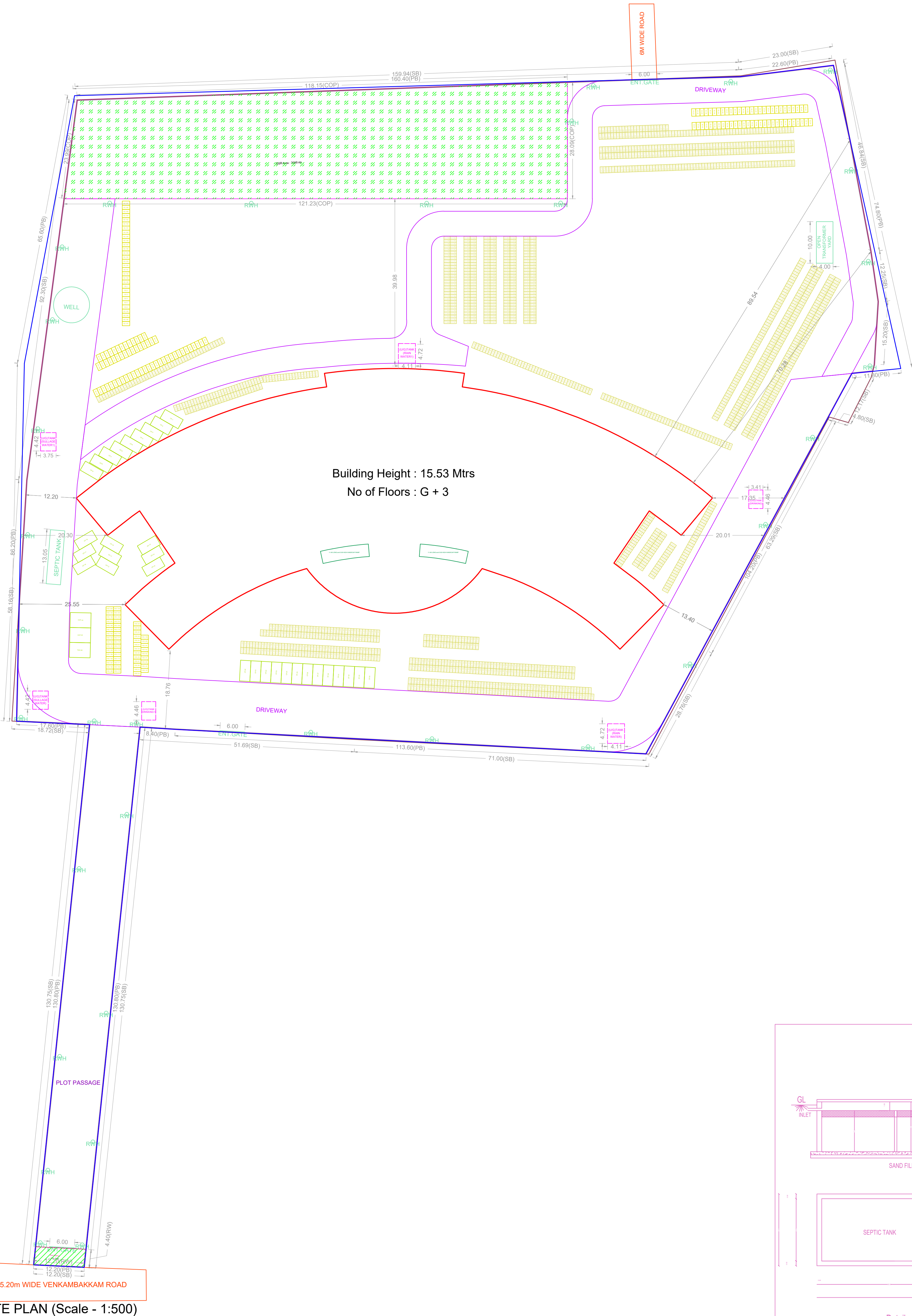


PLAN SHOWING THE ADDITIONAL CONSTRUCTION OF 3RD FLOOR OVER THE EXISTING APPROVED GROUND FLOOR + 2 FLOORS CBSE SCHOOL BUILDING AT VENGAMBAKKAM MAIN ROAD, 7TH CROSS STREET AND 8TH CROSS STREET, PUTHUR COMPRISED IN S.NOS.13/3B, 13/3C, 20/1B, 20/2B & 20/3B OF PUTHUR VILLAGE WITHIN THE LIMIT OF KATTANKULATHUR PANCHAYAT UNION.

A) AREA STATEMENT	SQ.M
AREA AS PER PATTA	32502.00
AREA AS PER DOCUMENT	30498.72
AREA CONSIDERED FOR FSI	30492.81
STREET ALIGNMENT/ ROAD WIDENING/ LINK ROAD	63.58
OSR AREA	3099.45
TOTAL FSI AREA	19982.71
FSI FACTOR	0.655
COVERED AREA (PERCENTAGE %)	NA

A) PARKING STATEMENT		
VEHICLE	REQUIRED	PROVIDED
LORRY	0	0
CAR	28	34
TWO WHEELER	168	203
CYCLE	1679	1693



DESIGN OF SEPTIC TANK WITH UPFLOW FILTER TANK

No. of users per day = 500 people, 100 visitors.
 As per National Building Code of India 2005, from Part 9 Plumbing Services, Section 1 Water Supply, Drainage and Sanitation (including solid waste management), clause 4.1.2, Table 1. For, Day School - 45litres/head/day, Visitors Consumption - 15litres/head/day.

Water supply per day for 500 people = 500 x 45 => 22500litres.
 Water supply per day for 100 visitors = 100 x 15 => 1500litres.
 Flow of sewage per day => 80% of water supply (as per NBC).
 Flow of sewage per day for 500 people = 0.8 x 22500 => 18000litres.
 Flow of sewage per day for 100 visitors = 0.8 x 1500 => 1200litres.
 Total flow of sewage per day = 18000 + 1200 => 19200litres.
 Assume, detention period as 24 hours for maximum flow capacity of septic tank.
 = Therefore, Tank capacity for detention period of 24 hrs. = (19200 x 24)/24 => 19200litres.
 Storage capacity of sludge at the rate of 30litres/capita/year Consider desludging period is 1 year.
 Sludge storage capacity = 30 x 500 x 1 => 15000litres.
 Total required capacity of the tank = Capacity of sewage + Capacity of sludge.
 = 19200 + 15000 => 34200litres => 37.2 cum.
 Assume, depth of the tank = 2m.
 Therefore, Surface area of the tank = 37.2/2 => 18.6sqm.
 Assume, width of the tank = 3m in the ratio L: B as 3:1.
 Therefore, length of the tank = 18.6/3 => 6.2m.
 Total depth of the tank = 2 + 0.4 (including free board) => 2.4m
 Required size of the septic tank = 6.2m x 3m x 2.4m.
 We provide septic tank of size = 6.5m x 3m x 2.4m.

UPFLOW FILTER TANK UNIT

As per, per capita demand, the capacity of the unit is 0.04 to 0.05 cum per capita or 1/3 to 1/2 of the liquid capacity of the septic tank it serves. (Note: Take whichever (1/3 or 1/2) is greater)

Up flow filter tank capacity = 1/2 x Total capacity of tank.
 = 1/2 x 37200 => 18600litres.
 Percolating rate of the filter tank, say as 1250litres/cum/day.
 Therefore, volume of the filtering tank required = 18600/1250 => 14.88cum.
 Depth and breadth of up flow filter tank is provided as same as septic tank,
 Therefore, depth = 2m, breadth = 3m
 Length of the filter tank = volume of the filter tank/ (depth x breadth)
 = 14.88 / (2x3) => 2.48m.
 Total depth of the tank = 2 + 0.4 (including free board) => 2.4m
 Required size of up flow filter tank = 2.48m x 3m x 2.4m.
 We provide up flow filter tank of size - 2.7 m x 3m x 2.4m.
 Septic tank is provided with 2 number of up flow filter tank, therefore size of each up flow filter tank is = 2nos x 1.35m x 3m x 2.4m.

EFFLUENT COLLECTION TANK

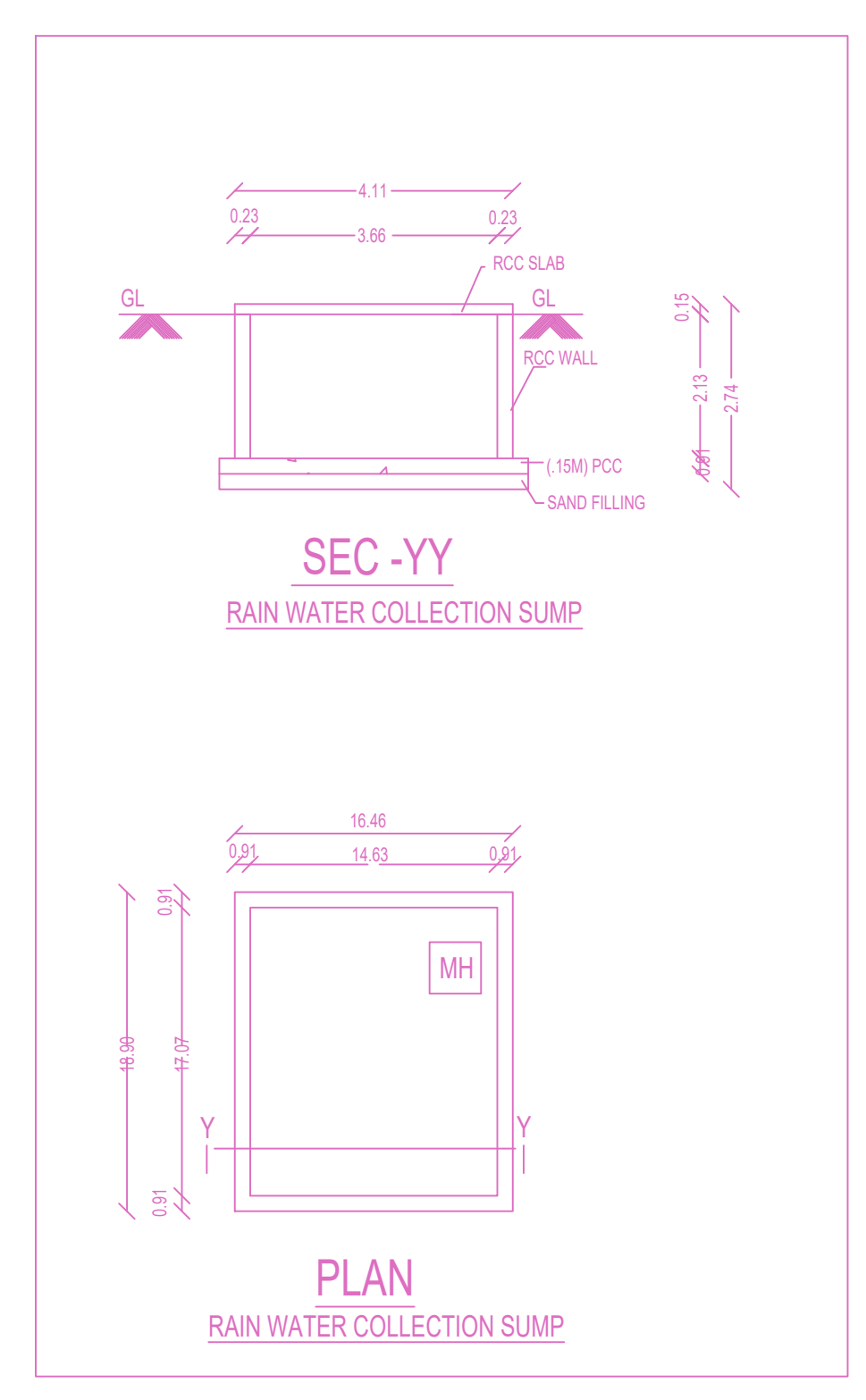
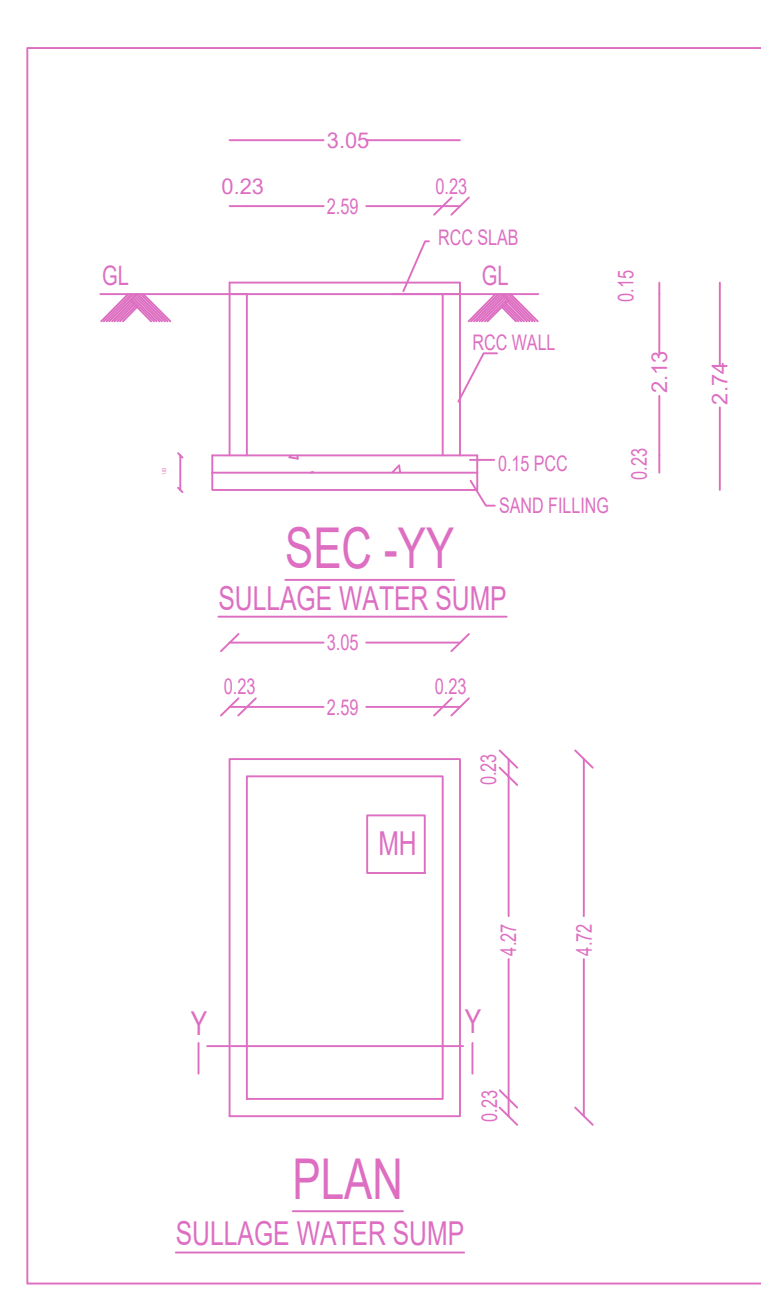
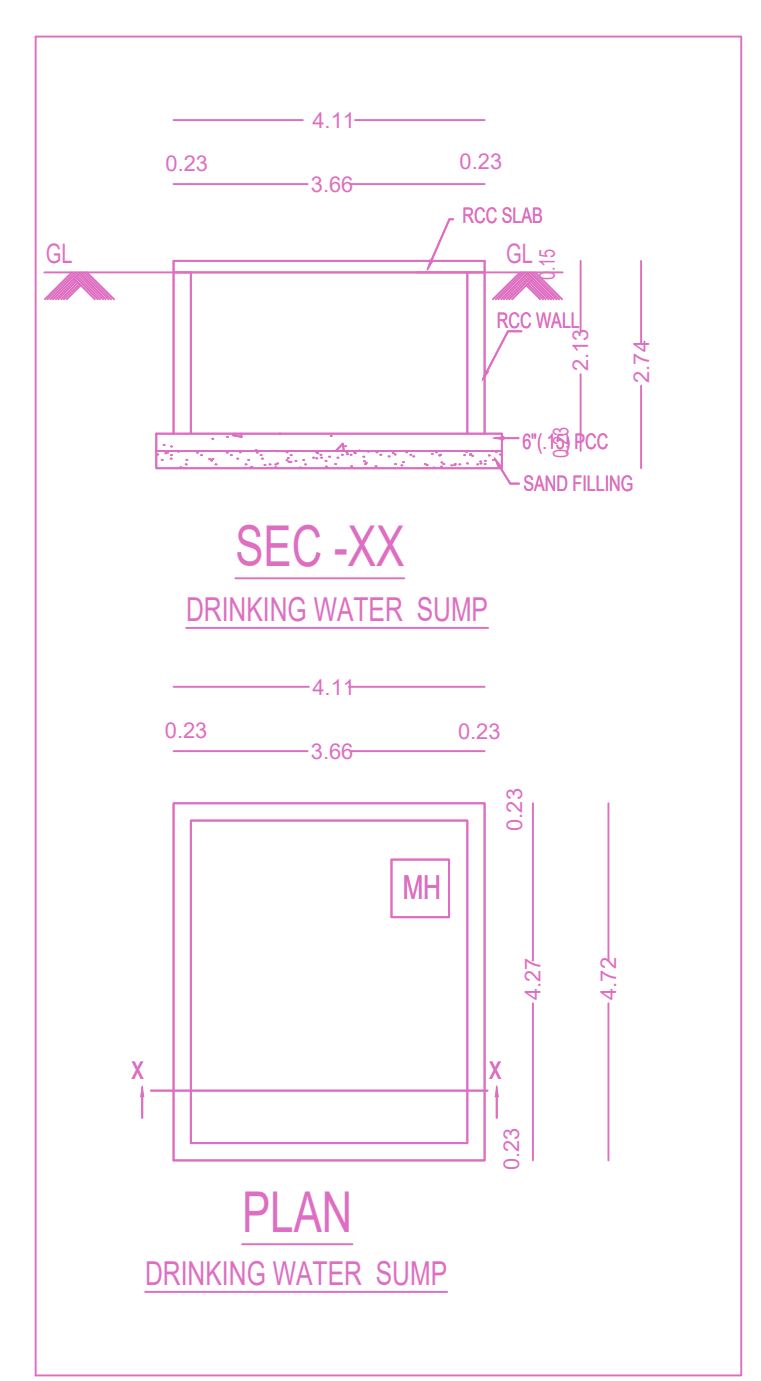
The capacity of effluent collection tank will be as same as up flow filter tank.
 Therefore, we provide effluent collection tank of size - 2.5m x 3m x 2.4m.
 Hence, The size of septic tank - 6.5m x 3m x 2.4m.
 The size of up flow filter tank - 2nos x 1.35m x 3m x 2.4m.
 The size of effluent collection tank - 2.7m x 3m x 2.4m are sufficient for the school.

FLOOR WISE FSI STATEMENT: INST (SCHOOL)

FLOORS	FSI AREA				DU	TOTAL FSI AREA
	COMM.	RESI.	IND.	INST.		
Terrace	0.00	0.00	0.00	0.00	0	0.00
THIRD FLOOR	0.00	0.00	0.00	5257.18	0	5257.18
SECOND FLOOR	0.00	0.00	0.00	5257.19	0	5257.19
FIRST FLOOR	0.00	0.00	0.00	4096.82	0	4096.82
GROUND FLOOR	0.00	0.00	0.00	5371.52	0	5371.52
Total	0.00	0.00	0.00	19982.71	0	19982.71

BUILDING WISE FSI STATEMENT

BUILDING	NO OF SAME BUILDING	FSI AREA				DU	TOTAL FSI AREA
		COMM.	RESI.	IND.	INST.		
INST-1 (SCHOOL)		0.00	0.00	0.00	19982.71	0	19982.71
Total		0.00	0.00	0.00	19982.71	0	19982.71



APPROVAL CONDITION

Previous File No. C4/2846/2016
 Approval Date 07/09/2017
 Approval No. Permit No.

SCALE 1:100

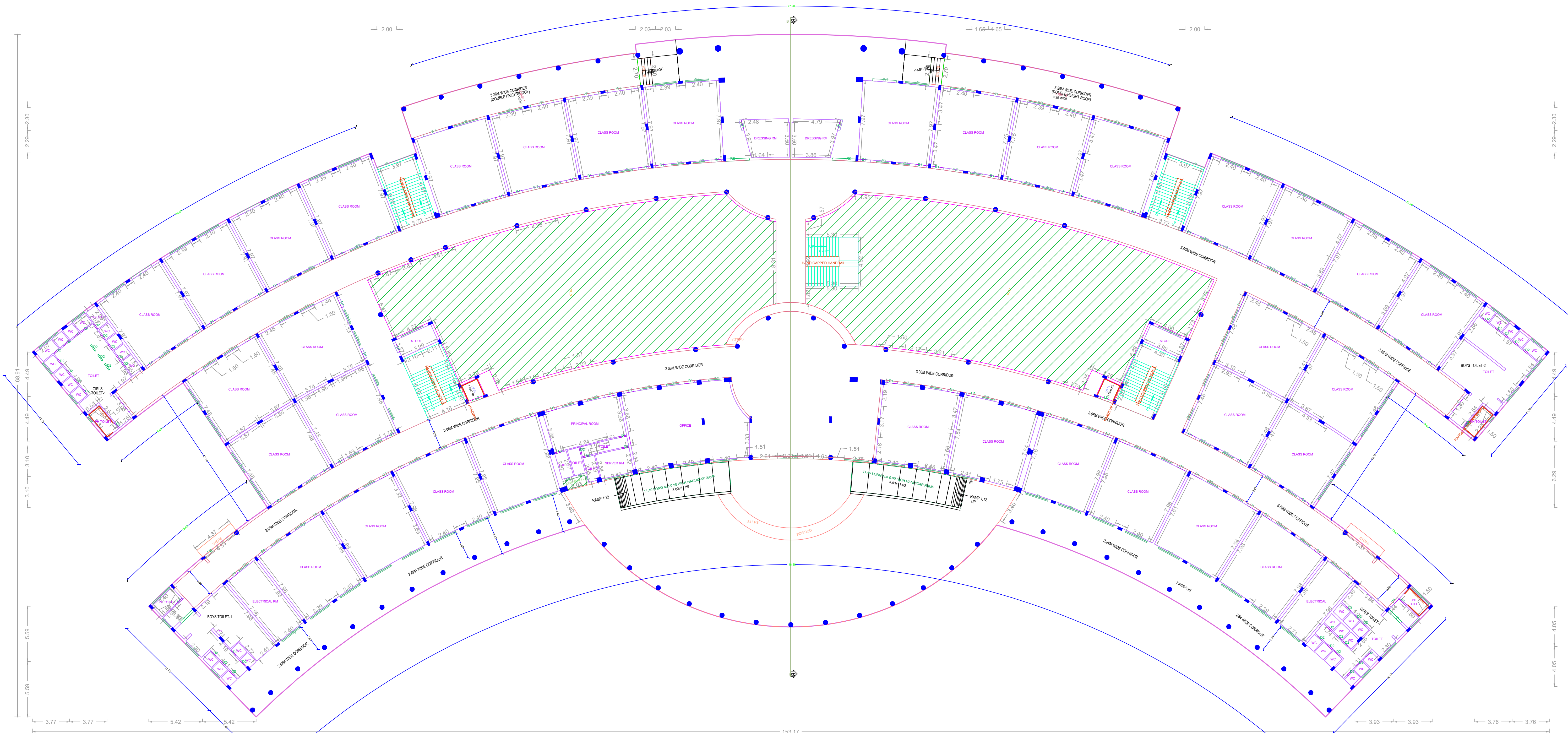
CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
APPROVED

SUBJECT TO THE CONDITIONS MENTIONED IN THIS OFFICE

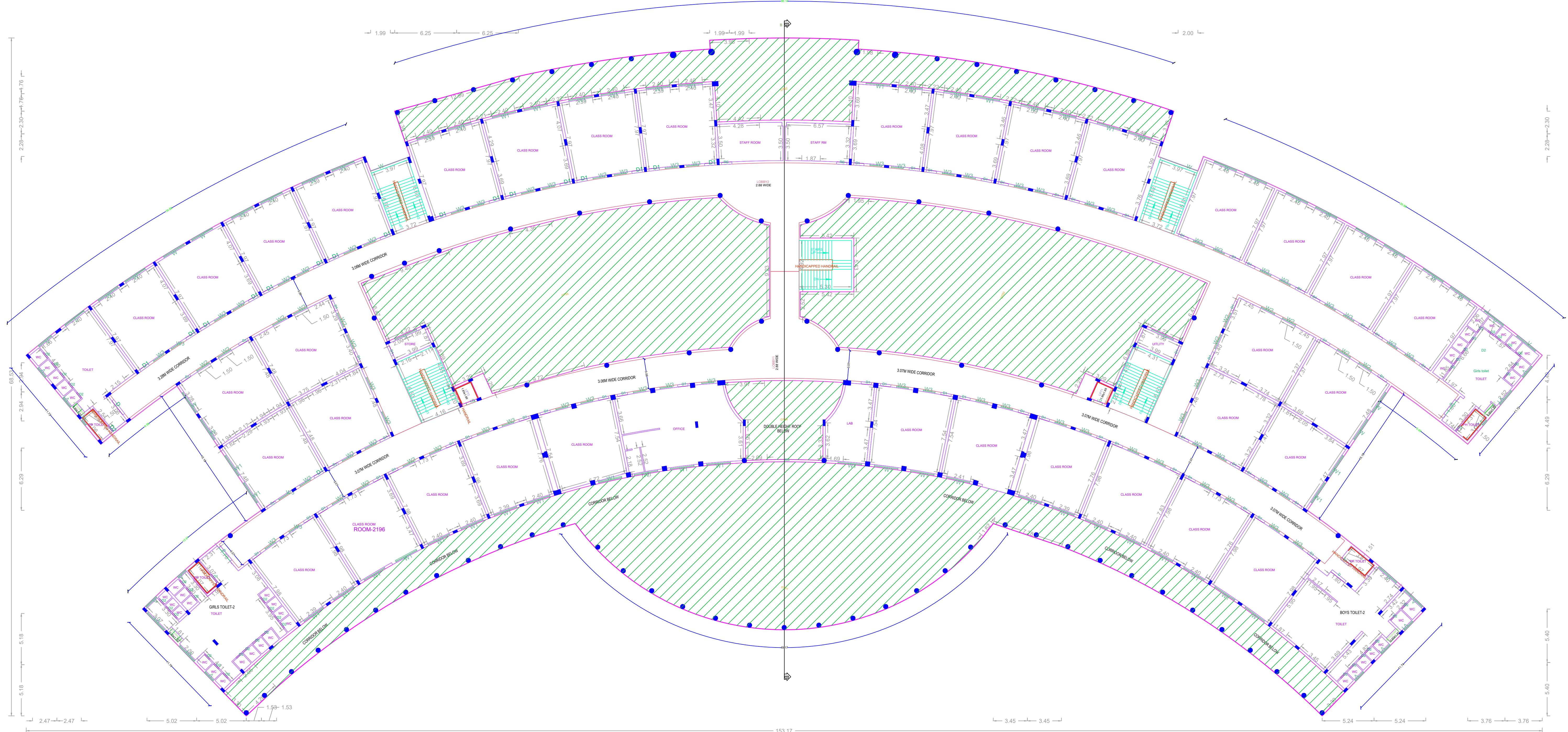
For Deputy Planner / Chief Planner / Member Secretary
 High Rise Building / Near High Rise Building
 This Approval is valid only after building Permit is issued by the concerned Local Body.

QR CODE

PLAN SHOWING THE ADDITIONAL CONSTRUCTION OF 3RD FLOOR OVER THE EXISTING APPROVED GROUND FLOOR + 2 FLOORS CBSE SCHOOL BUILDING AT VENGAMBAKAM MAIN ROAD, 7TH CROSS STREET AND 8TH CROSS STREET, PUTHUR COMPRISED IN S.NOS-13/3B, 13/3C, 20/1B, 20/2B & 20/3B OF PUTHUR VILLAGE WITHIN THE LIMIT OF KATTANKULATHUR PANCHAYAT UNION.



GROUND FLOOR PLAN
(EXISTING)
(Scale - 1:200)

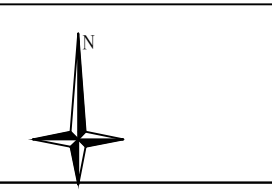


FIRST FLOOR PLAN
(EXISTING)
(Scale - 1:200)

Previous File No. C4/2846/2016
Approval Date 07/09/2017
Approval No.
Permit No.

APPROVAL CONDITION

SCALE: 1:100



CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
APPROVED

SUBJECT TO THE CONDITIONS MENTIONED IN THIS OFFICE

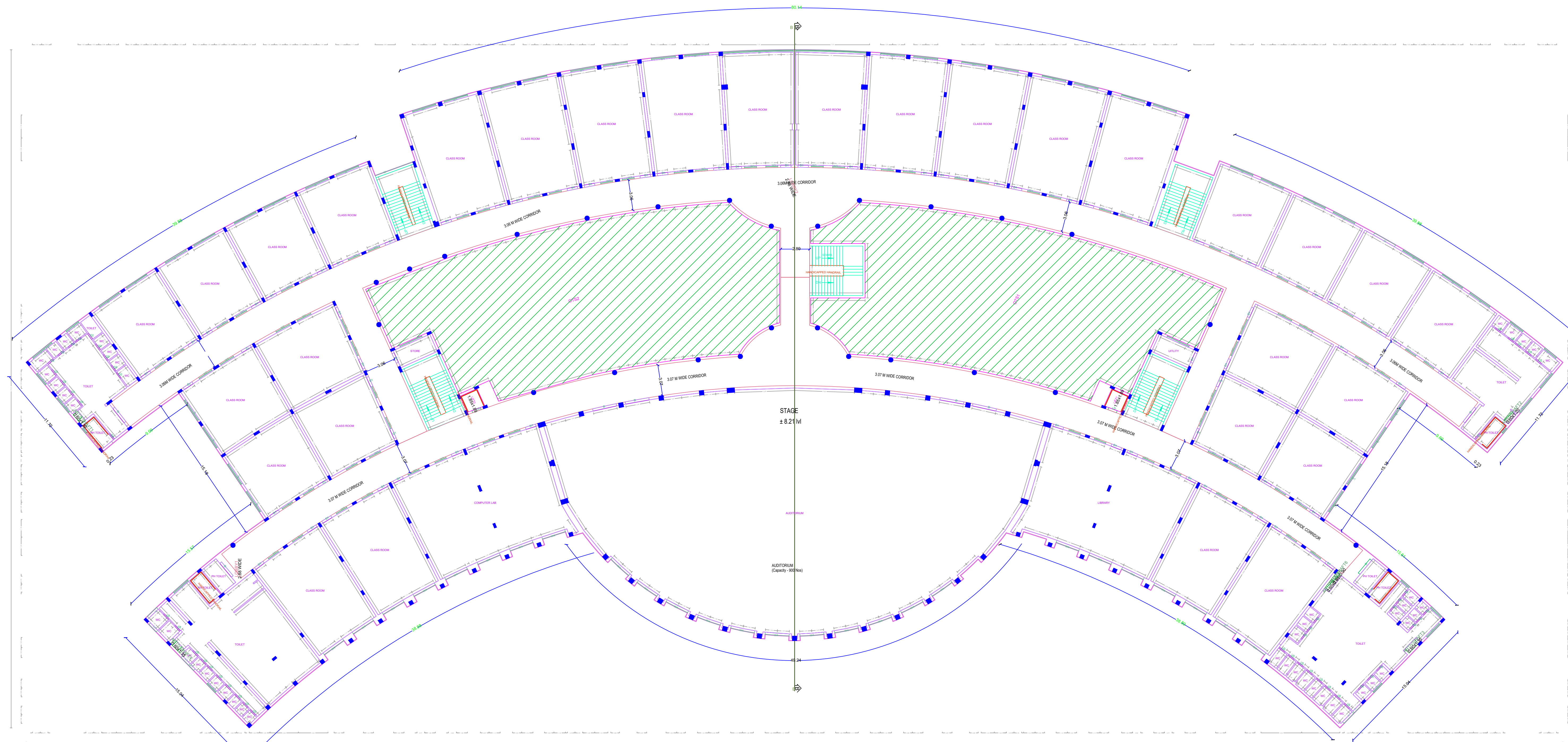
(Signature)
Project Planner / Chief Planner / Member / Secretary
High Rise Building / Non High Rise Building
The Approval is valid only after building Permit is issued by the concerned Local Body.

QR CODE

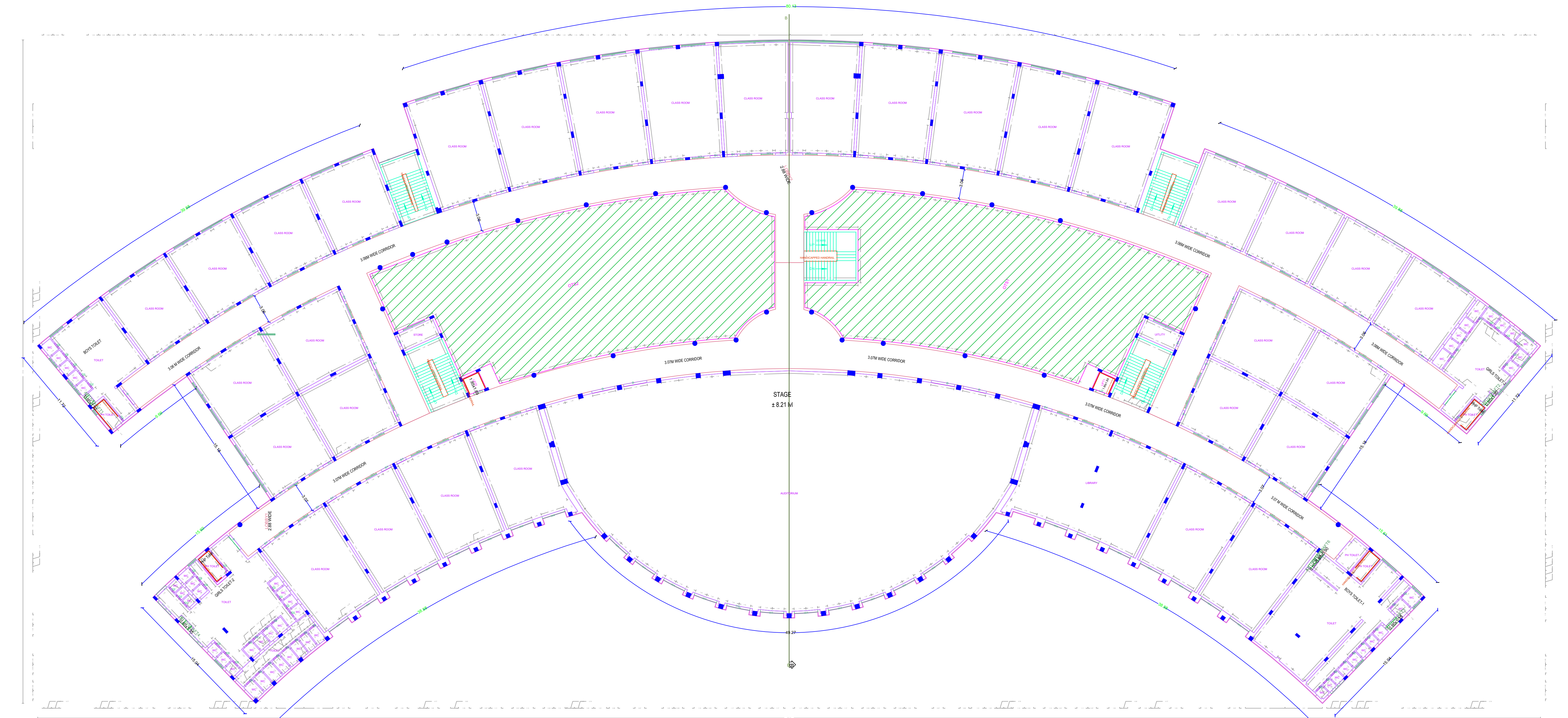
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

Applicants (Owner / Developer / Power of Attorney)

PLAN SHOWING THE ADDITIONAL CONSTRUCTION OF 3RD FLOOR OVER THE EXISTING APPROVED GROUND FLOOR + 2 FLOORS CBSE SCHOOL BUILDING AT VENGAMBAKKAM MAIN ROAD, 7TH CROSS STREET AND 8TH CROSS STREET, PUTHUR COMPRISED IN S.NOS.13/38, 13/3C, 20/1B, 20/2B & 20/3B OF PUTHUR VILLAGE WITHIN THE LIMIT OF KATTANKULATHUR PANCHAYAT UNION.



SECOND FLOOR PLAN
(EXISTING)
(Scale - 1:200)



THIRD FLOOR PLAN
(PROPOSED)
(Scale - 1:200)

Previous File No. C4/2846/2016
Approval Date 07/09/2017
Approval No.
Permit No.

APPROVAL CONDITION

SCALE: 1:100

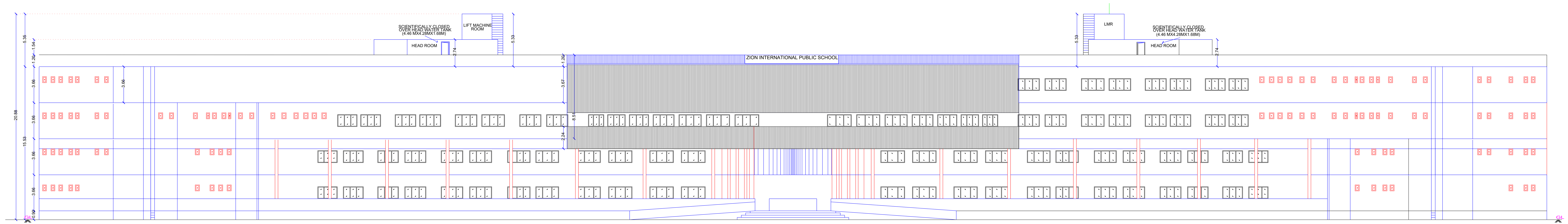
CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
APPROVED

SUBJECT TO THE CONDITIONS MENTIONED IN THIS OFFICE

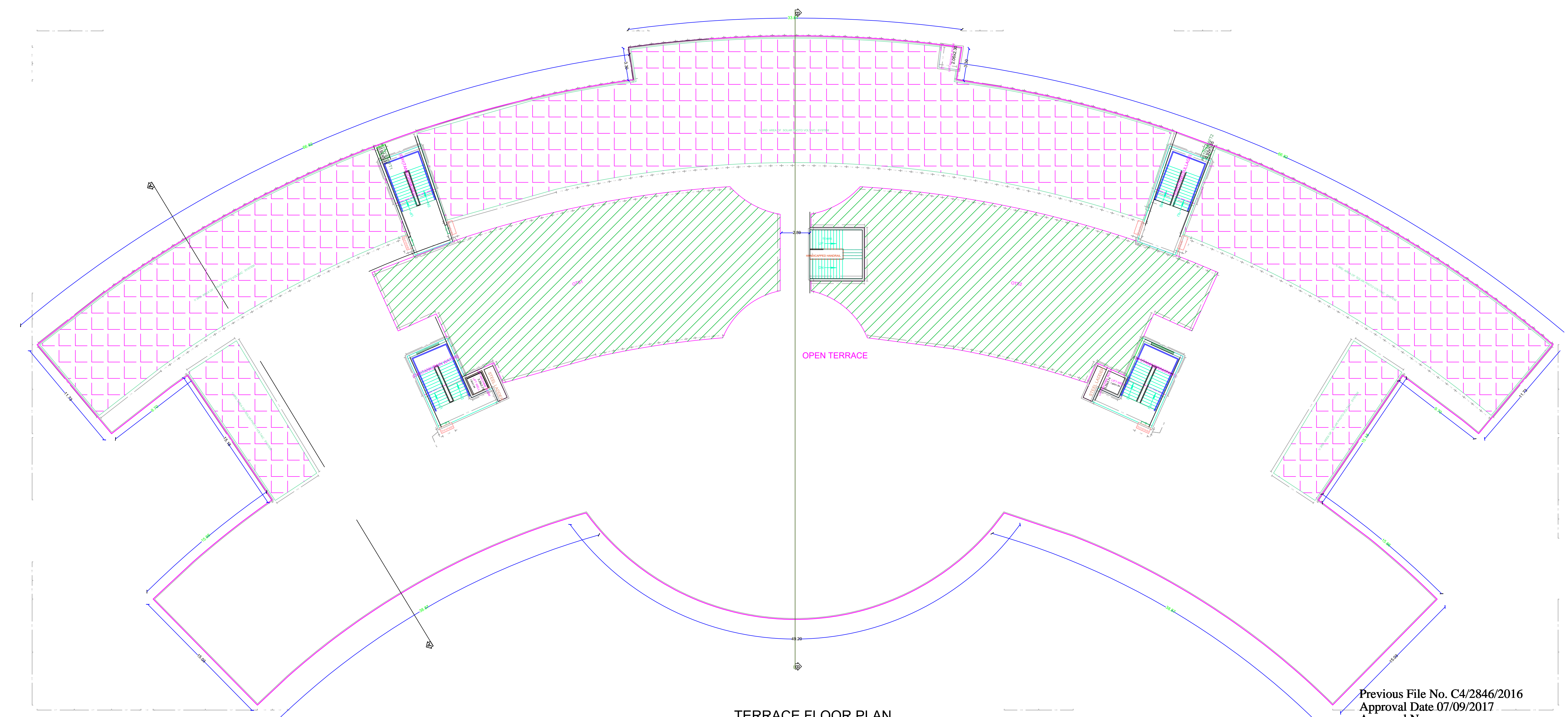
This Drawing/Permit is valid only for the purpose mentioned in the title block and shall not be used for any other purpose without the written consent of the Architect/Engineer/Planner.

This is a system generated drawing as per the soft copy submitted by the Architect/ License Engineer

PLAN SHOWING THE ADDITIONAL CONSTRUCTION OF 3RD FLOOR OVER THE EXISTING APPROVED GROUND FLOOR + 2 FLOORS CBSE SCHOOL BUILDING AT YENGBANKKAM MAIN ROAD, 7TH CROSS STREET AND 8TH CROSS STREET, PUTHUR COMPRISED IN S.NOS.13/3B, 13/3C, 20/1B, 20/2B & 20/3B OF PUTHUR VILLAGE WITHIN THE LIMIT OF KATTANKULATHUR PANCHAYAT UNION.

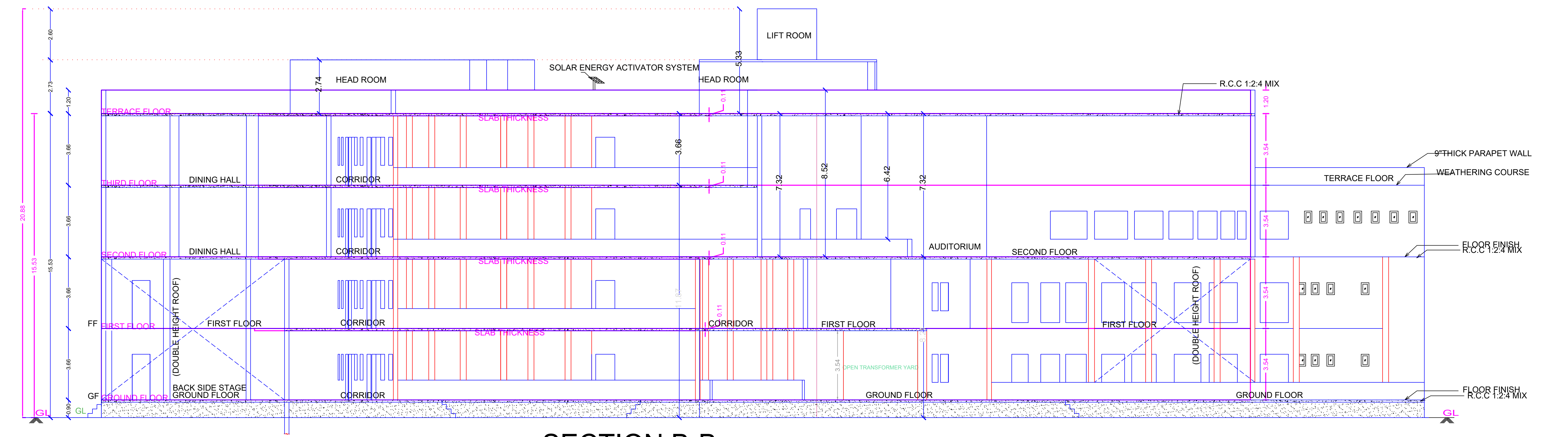


FRONT ELEVATION

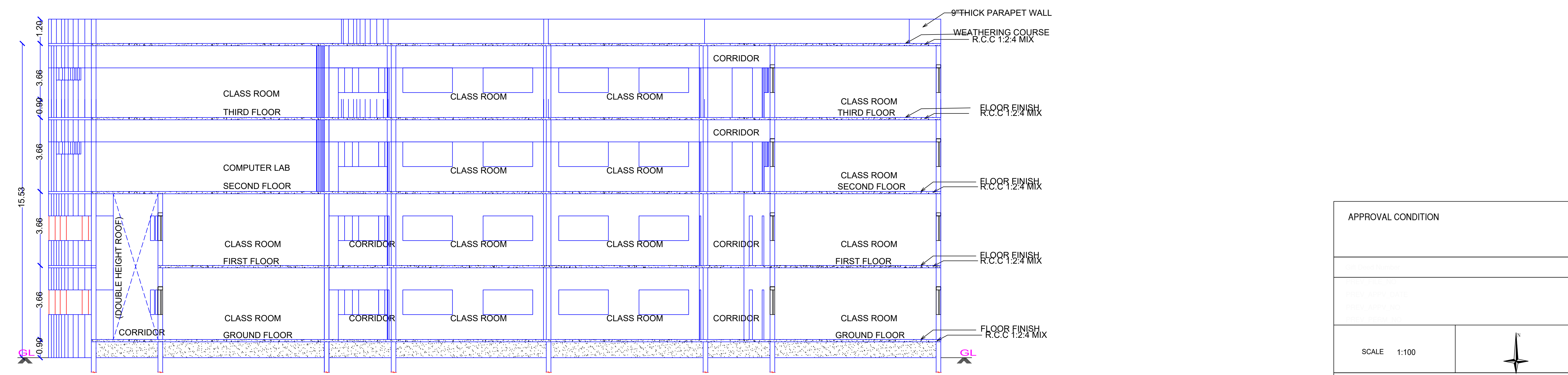


TERRACE FLOOR PLAN (PROPOSED) (Scale - 1:200)

Previous File No. C4/2846/2016
Approval Date 07/09/2017
Approval No.
Permit No.



SECTION B-B



SECTION A-A

APPROVAL CONDITION

SCALE 1:100

CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
APPROVED
SUBJECT TO THE CONDITIONS MENTIONED IN THIS OFFICE

The Planning Permission shall only be valid for the purpose mentioned in the above and shall not be used for any other purpose without the prior approval of the C.M.D.A. No. 81/2 & 81/3 of 2016.

The Design Planner / Chief Planner / Member (Secretary) High Rise Building / Non High Rise Building. The Approvals are valid only after building Permits issued by the concerned Local Body.

Applicants (Owner / Developer / Power of Attorney)

This is a system generated drawing as per the soft copy submitted by the Architect's License Engineer